

FYR02 QLC meeting Poster Session

Tuesday, December 22nd.

13:30- 1 min. Preview, using "Zoom"

15:00-17:00 Poster Presentation, using "Remo"

Poster No.

Remo Floor 1

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| P 01 | KITAMURA, Taisei_北村泰晟 (Kyoto University) First principles calculation of thermodynamic EQMs in iron-based superconductors and a cuprate superconductor |
| P 02 | SHIMIZU, Kotaro_清水宏太郎 (University of Tokyo) Emergent Electromagnetism in Magnetic Hedgehog Lattices: Analysis from the Viewpoint of Spin Moiré |
| P 03 | YATSUSHIRO, Megumi_八城愛美 (Hokkaido University / University of Tokyo) Electric toroidal quadrupole order breaking the spatial inversion symmetry in CeCoSi |
| P 04 | HASEGAWA, Shunsuke_長谷川舜介 (University of Tokyo) Spin-Nematic Interaction driven hybridization of Acoustic Magnon with Orbital on Multiferroics Ba ₂ MnGe ₂ O ₇ |
| P 05 | YAMBE, Ryota_山家椋太 (Hokkaido University / University of Tokyo) Skyrmion Crystals in Centrosymmetric Itinerant Magnets without Horizontal Mirror Plane |
| P 06 | OKUMURA, Shun_奥村駿 (University of Tokyo) Photovoltaic Effect and Second Harmonic Generation in Chiral Magnetic Metals |
| P 07 | MATSUMOTO, Takuya_松本拓哉 (University of Tokyo) Nonreciprocal magnons due to magnetic toroidal multipoles in noncentrosymmetric magnets |
| P 08 | SANO, Ryotaro_佐野涼太郎 (Kyoto University) Theory of electron hydrodynamics for noncentrosymmetric metals under electromagnetic fields |
| P 09 | ETO, Koki_江藤昂樹 (Nagoya University) Synthesis and Magnetic Properties of New 4f Pyrochlore Magnet NaLnTe ₂ (Ln = Ce, Pr, Nd) |
| P 10 | KOFUJI, Akira_児藤鑑 (Kyoto University) Connection between the nonlinear Hall effect and strong correlation effects in Weyl-Kondo semimetals |
| P 11 | KITAORI, Aki_北折曉 (University of Tokyo) Emergent magnetic transport phenomena and disordered spin textures in Tb ₅ Sb ₃ single crystal |
| P 12 | NAJAFZADEH, Sahand_ナジャフザダ サハンド (University of Tokyo) Superconducting proximity effect to surface states of TI/Nb at different doping levels: Bi ₂ Se ₃ , Bi _{1-x} Sb _x Te ₃ , and Sb ₂ Te ₃ |
| P 13 | SATO, Tatsuki_佐藤樹 (University of Tokyo) Observation of antiferromagnetic domain wall motion driven by electric and magnetic fields |
| P 14 | SHIMAMOTO, Yusuke_島本雄介 (Osaka Prefecture University) Detection of phonon modes in a chiral spin soliton lattice using broadband magnetic resonance spectroscopy |
| P 15 | MASUKO, Makoto_増子真 (University of Tokyo) Molecular beam epitaxy of superconducting Sn _{1-x} In _x Te (0 ≤ x ≤ 0.66) Thin Films |

- P 16 **TAKEUCHI, Hiromitsu_竹内宏光 (Osaka City University)**
Novel topological defects in pseudo-nematic superfluids
- P 17 **KANEGA, Minoru_金賀穂 (Ibaraki University)**
Theory of nonlinear optical responses in Kitaev spin liquids
- P 18 **FURUYA, Shunsuke_古谷峻介 (Ibaraki University)**
Control of direct exchange and superexchange interactions with DC electric fields
- P 19 **MASUDA, Keisuke_増田圭佑 (Ibaraki University)**
Theory of electromagnon mediated spin pumping
- P 20 **OGAWA, Takumi_小川拓美 (Ibaraki University)**
Numerical study of magnonic high harmonic generation
- P 21 **SHIMIZU, Kotaro_清水宏太郎 (University of Tokyo)**
Phase Transitions Between Multiple-Q Topological Spin Structures Driven by Spatial Anisotropy in Chiral Magnets
- P 22 **MURAKAMI, Yuta_村上雄太 (Tokyo Institute of Technology)**
Nonthermal excitonic condensation near spin-state transition in two band Hubbard model
- P 23 **HIKIHARA, Toshiya_引原俊哉 (Gunma University)**
Magnetostriiction of the quasi-one-dimensional frustrated spin-1/2 magnet LiCuVO₄
- P 24 **TAKAHASHI, Masahiro_高橋雅大 (Osaka University)**
Topological Nematic Transition in Kitaev Magnets under Applied Magnetic Fields
- P 25 **TAZAI, Rina_田財里奈 (Nagoya University)**
Theoretical Study for Charge Loop Current in Geometrically Frustrated Electron System
- P 26 **HAYASHIDA, Takeshi_林田健志 (University of Tokyo)**
Observation of ferroaxial transition in RbFe(MoO₄)₂ via electrogyration
- P 27 **ONARI, Seiichiro_大成誠一郎 (Nagoya University)**
Mechanism of nematic order in twisted bilayer graphene
- P 28 **TAKEOKA, Yu_武岡悠 (Tokyo University of Science)**
Spontaneously breaking of rotational symmetry in a bond-alternated two-dimensional electron system with backscattering interaction
- P 29 **OKUMURA, Shun_奥村駿 (University of Tokyo)**
Stabilization Mechanism and Field-driven Topological Transitions of Magnetic Hedgehog Lattices in Chiral Metals
- P 30 **YAMAKAWA, Youichi_山川洋一 (Nagoya University)**
Unconventional orbital-charge density wave mechanism in transition metal dichalcogenide 1T-TaS₂

- P 31 **CHAZONO, Michiya_茶園宙弥 (Kyoto University)**
Magnetopiezoelectric Effect in Non-centrosymmetric Materials in Magnetic Field
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- P 32 **FUJIHARA, Hideyuki_藤原秀行 (Tohoku University)**
Ligand substitution effect of Kitaev-spin liquid candidate materials RuX₃ (X=Cl, Br, and I)
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- P 33 **ANDO, Satoshi_安藤叡史 (Nagoya University)**
Effects of bond/CDW order on SC state in the square lattice model
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- P 34 **MISAWA, Ryusuke_三澤龍介 (University of Tokyo)**
Circularly polarized resonant x-ray scattering of a chiral antiferromagnet showing magnetic quadrupole order
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- P 35 **WATANABE, Hiroshi_渡部洋 (Ritsumeikan University)**
Importance of orbital degree of freedom in high-T_c cuprate superconductors
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- P 36 **SHINADA, Koki_品田晃希 (Kyoto University)**
Renormalized Nonreciprocal current induced by Rashba-type SOC in a Kondo Lattice
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- P 37 **MATSUBARA, Shun_松原舜 (Nagoya University)**
Generation of odd-frequency surface superconductivity with spontaneous spin current due to zero-energy Andreev-bound-state
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- P 38 **AOYAMA, Takuya_青山拓也 (Tohoku University)**
Pressure-induced orbital switching in iron-based ladder material BaFe₂(S_{1-x}Se_x)₃
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- P 39 **OIKE, Hiroshi_大池広志 (University of Tokyo)**
Real-space observation of emergent stochasticity of phase evolution in micrometre-sized crystals
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- P 40 **KURODA, Kenta_黒田健太 (University of Tokyo)**
Electronic reconstruction with the devil's staircase transition in CeSb
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- P 41 **ARAI, Yosuke_新井陽介 (University of Tokyo)**
Multipole polaron in the devil's staircase of CeSb
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- P 42 **KAMIYA, Mizuki_神谷瑞紀 (Nagoya University)**
Optical detection of N concentration in NV diamond by double electron-electron resonance
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- P 43 **WATANABE, Yukihiro_渡邊幸裕 (Nagoya University)**
Microscopic observation of orbital diamagnetism in Bi_{1-x}Sb